

Title (en)
Clock adjusting circuit

Title (de)
Taktgebereinstellschaltung

Title (fr)
Circuit d'ajustage d'horloge

Publication
EP 0889594 A1 19990107 (EN)

Application
EP 98111551 A 19980623

Priority
JP 17414197 A 19970630

Abstract (en)
A clock adjusting circuit is disclosed which is able to adjust automatically both the phase and pulse width of a balanced transmission clock, to be coincident with the reference clock. Phase comparison circuits (13, 14) detect the difference between the phase of a reference clock (REF) and feedback signal of clock output. Counters (15, 16) count based on the difference detected by the phase comparison circuits (13, 14), respectively. Delay circuits (11, 12) delay the clock input signals based on the counted value by the counters (15, 16). Clock output signal is obtained after selecting, by the selector (23), the result of OR or AND of the outputs of the delay circuit (11, 12).

IPC 1-7
H03L 7/081; **H03L 7/087**

IPC 8 full level
G06F 1/10 (2006.01); **H03K 5/04** (2006.01); **H03K 5/13** (2014.01); **H03L 7/081** (2006.01); **H03L 7/087** (2006.01)

CPC (source: EP US)
H03L 7/0814 (2013.01 - EP US); **H03L 7/087** (2013.01 - EP US)

Citation (search report)

- [X] EP 0762262 A1 19970312 - MITSUBISHI ELECTRIC CORP [JP]
- [A] US 5142555 A 19920825 - WHITESIDE FRANK A [US]
- [PY] US 5646564 A 19970708 - ERICKSON CHARLES R [US], et al
- [PY] US 5675273 A 19971007 - MASLEID ROBERT PAUL [US]

Designated contracting state (EPC)
DE FR NL

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